

**Abstract**

The electric device ~~(100)~~ according to the invention has a resistor comprising a layer ~~(7,~~  
~~107)~~ of a phase change material which is changeable between a first phase with a first  
electrical resistivity and a second phase with a second electrical resistivity different from  
the first electrical resistivity. The phase change material is a fast growth material. The  
electric device ~~(100)~~ further comprises a switching signal generator ~~(400)~~ for switching  
the resistor between at least three different electrical resistance values by changing a  
corresponding portion of the layer ~~(7, 107)~~ of the phase change material from the first  
phase to the second phase.